Silicone-based Substrate Wetting Agent
SURFADIOLS 270
(Alternative to TEGO Wet-270 and BYK-348)

SURFADIOLS 270 is a silicone surfactant for aqueous coatings, adhesives, printing inks, overprint varnishes and care products with a strong reduction of surface tension and therefore an improvement of substrate wetting. It shows excellent anti-crater properties with flow promotion in waterborne systems. It can also be used in radiation curing system, solvent-based and solvent-free (two-component) system.

Typical properties

Appearance	Light yellow liquid
Composition	Polyether siloxane copolymer
Active substance content	100%
Density (20 ℃), g/cm3	0.980-1.050
Viscosity	20-120mpa.s
Solubility in water	Not soluble

Special properties
• Highly active and broadly usable
• Efficient crater prevention and elimination
• Suitable for waterborne, solventborne, and radiation-curing coatings
• Widely used in the wetting of plastic, metal, glass, wood and other substrates
• Improves substrate wetting and leveling
• Good recoatability
• Does not increase surface slip

Scope of application
• Industrial coatings
• Leather coatings
• Adhesives

• Wood coatings
• Printing inks
• Floor care products

• Architectural paints
• Overprint varnishes

Incorporation and Processing Instructions
Addition as supplied is recommended. Addition at the let-down stage is recommended.

Recommended Levels
Amount of additive (as supplied) based upon total formulation: 0.1% - 1.0%.
The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Package and storage
The standard package is 25kg plastic pails.

Keep containers tightly closed in a dry, cool, and well-ventilated place. When stored in an original unopened packaging between -10 and 40 ℃, the product has a shelf life of 24 months from the date of manufacture.

Separation or turbidity may occur when stored or transported below 5 ℃. Heat to 20 ℃ and stir. The quality of the product will not be affected.